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19 July 1972

MEMORANDUM FOR: Chief, Executive and Planning Division

SUBJECT : Agency Annual Report

1. Per your request, attached is a supplement to the Interrogation Research Division Agency Annual Report for FY 1972. [redacted] Chief of the [redacted] prepared the summary of activities that were carried on in IRD Research during FY 1972. There were no major events in the IRD Research program.

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Interrogation Research Division

Attachment: Supplement to IRD  
Agency Annual Report



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EXEMPT FROM GENERAL DECLASSIFICATION  
OF E. O. 11652, EXEMPTION CATEGORY:  
§ 5B(1), (2), (3) or (4) (circle one or more)  
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19 July 1972

SUBJECT: Supplement to Interrogation Research Division Annual Agency Report FY 1972

1. Work continues on the investigation of examiner consistency and inter-examiner agreement on polygraph chart interpretation and on the development of computer analysis of chart patterns. Collection of live-case data for this use was completed in FY 1972 and a major examiner agreement study was conducted using this data. Results of the agreement study are beginning to come in.

25X1 2. Preliminary evaluations of the utility of a computer-based system have shown mixed results. It has become apparent that the computer system currently being refined can produce an output which correlates well with examiner consensus, and with the completion of the [redacted] study it was established that examiners will be influenced by such computer information if it is available to them as an additional parameter. Studies are continuing regarding whether or not a specific computer-based system can be developed which is good enough to provide a practical improvement in IRD operations. The present round of studies in these areas should reach a conclusion early in FY 1973.

3. A polygraph with a cardiometer attachment was developed for IRD and delivered late in FY 1972. The utility of cardiometry as a polygraph parameter is being analyzed using this instrument on Headquarter's IRD cases.

4. IRD is monitoring and assisting in Army studies of two different forms of voice analysis as possible parameters for use in lie detection.

5. In January 1972, a prominent practitioner of yoga aided in an initial assessment of psychophysiological conditioning as a potential countermeasure to polygraphy, and the basic outline has been established for a more comprehensive study of this area to be conducted in FY 1973.

6. It should be noted that IRD Research efforts are generally conducted in coordination with DD/S&T components - in the above cases ORD/MBSD and OSI/LSD.

[redacted]

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